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Vellore,
India

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Aby S Charles

CLINICAL ANATOMIST



Trained clinical anatomist with experience in teaching medical, allied health and nursing students

Education

2014-2017 **Christian Medical College, Ludhiana**
Baba Farid University
MS Anatomy

Thesis: "Origin and branching pattern of external carotid artery – a cadaveric study"

2005-2009 **Christian Medical College, Vellore**
Tamil Nadu Dr. MGR Medical University
MBBS

Work Experience

2010-2011 Internship
Christian Medical College and Hospital, Vellore

2011-2013 Resident Medical Officer
CSI Mission Hospital, Codacal, Malappuram

Teaching experience

- 2014-2017 **Christian Medical College**, Ludhiana
PG Demonstrator, Anatomy Department
- **MBBS teaching** – 75-student batches 2013-2017
 - Lectures in Gross anatomy and Histology
 - Dissection demonstrations and small group teaching in gross anatomy.
 - Small group demonstrations in histology, osteology, radiology
 - **BDS teaching** – 40-student batches 2014-2017
 - Dissection demonstrations and small group teaching in gross anatomy.
 - Small group demonstrations in histology, osteology, radiology
 - **BPT teaching** – 20-student batches 2014-2017
 - Lectures in Gross anatomy and Histology
 - Dissection demonstrations and small group teaching in gross anatomy.
 - Small group demonstrations in histology, osteology, radiology
 - **Allied Health Sciences** – 50-student batches 2013-2017
 - Lectures in Gross anatomy
 - Dissection demonstrations and small group teaching
- 2017-2018 **Christian Medical College**, Vellore
Senior Resident, Department of Anatomy
- **MBBS teaching** – 100-student batches
 - Lectures in Gross anatomy and Histology
 - Dissection demonstrations and small group teaching in gross anatomy, histology, osteology, radiology
 - **MBBS teaching** – 100-student batches
 - Lectures in Gross anatomy and Histology
 - Dissection demonstrations and small group teaching in gross anatomy, histology, osteology, radiology
 - **BPT and BOT teaching** – 20 student batches
 - Lectures in Gross anatomy
 - Dissection demonstrations and small group teaching in gross anatomy, osteology, radiology
 - **AHS teaching**
 - Small group teaching in gross anatomy, histology, osteology, and radiology

- 2018-2022 **Christian Medical College, Vellore**
Assistant Professor, Department of Anatomy
- **Post-graduate teaching**- 4 Anatomy PG students per year
 - Small group teaching on osteology, histology
 - Prepared special lectures for post-graduate trainees of Anesthesia, Surgery, ENT, OBG
 - Coinvestigator for 2 PG Thesis students
 - **MBBS teaching** – 100-student batches
 - Preparation of curriculum material and prosections
 - Lectures in Gross anatomy and Histology
 - Dissection demonstrations and small group teaching in gross anatomy, histology, osteology, radiology
 - **BPT and BOT teaching** – 20 student batches
 - Lectures in Gross anatomy
 - Dissection demonstrations and small group teaching in gross anatomy, osteology, radiology
 - **AHS teaching**
 - Small group teaching in gross anatomy, histology, osteology, and radiology
 - **UG Nursing students** – Batch of 2019- 100 students
 - Lectures in gross anatomy and histology

- 2022-present **Christian Medical College, Vellore**
Associate Professor, Department of Anatomy
- **Post-graduate teaching**- 4 Anatomy PG students per year
 - Small group teaching on osteology, histology
 - Prepared special lectures for post-graduate trainees of Anesthesia and Psychiatry
 - **MBBS teaching** – 100-student batches
 - Preparation of curriculum material and prosections
 - Lectures in Gross anatomy and Histology
 - Dissection demonstrations and small group teaching in gross anatomy, histology, osteology, radiology
 - **BPT and BOT teaching** – 20 student batches
 - Lectures in Gross anatomy
 - Dissection demonstrations and small group teaching in gross anatomy, osteology, radiology
 - **AHS teaching**
 - Small group teaching in gross anatomy, histology, osteology, and radiology
 - **Postgraduate Pediatric and OBG Nursing students**
 - Lectures in Embryology

Regular paper reading sessions happen as part of our departmental activity. I have presented 2-3 times annually, a paper of my choice.

Publications

- 2022 **Books**
- Charles, A.S., **Chapter 'Capacity in the Medical Scenario' in 'Practical Bioethics – An Indian Perspective'**, Delhi: Good Word Communication Services
- 2014 **Journal publications**
- Sheringla S, **Simon A**, Russell PS, Shankar S, Russell S, Mammen P, Nair MK. **ADD-H-Comprehensive Teacher's Rating Scale (ACTeRS): a measure for attention deficit hyperactivity disorder among children with intellectual disability in India.** Indian J Pediatr. 2014 Dec;81 Suppl 2:S161-4. doi: 10.1007/s12098-014-1572-7. Epub 2014 Sep 30. PMID: 25265891
- 2020 **Charles AS**, Rabi S, Jain A, Rana PK.2020. **Origin and branching pattern of external carotid artery- a cadaveric study.** Eur J Anat. 25:187-196.
- 2021 Srivastava S, Jacob J, **Charles AS**, Daniel P, Mathew JK, Shanthi P, Devamani K, Mahasampath G, Rabi S. **Emergency remote learning in anatomy during the COVID-19 pandemic: A study evaluating academic factors contributing to anxiety among first year medical students.** Med J Armed Forces India. 2021 Feb;77(Suppl 1):S90-S98. doi: 10.1016/j.mjafi.2020.12.012. Epub 2021 Feb 2. PMID: 33612938; PMCID: PMC7873698.
- Amritanand A, Lyngwa D, Thomas N, Eapen A, Immanuel J, Prabhu T, *et al.* **Efficacy of two vertically integrated teaching-learning methods – The ocular basic science workshop versus lecture in enhancing knowledge and skills of ocular examination techniques and underlying principles in second clinical year medical students: A prospective interventional study.** TNOA J Ophthalmic Sci Res 2021;59:152-9.
- Srivatsava S, **Charles AS**, Paul AP, Rabi S. **A quick method to expose the structures and relations of the middle ear and inner ear by cadaveric dissection.** Morphologie. 2021 May 1:S1286-0115(21)00043-6. doi: 10.1016/j.morpho.2021.04.001
- 2022 Francis DV, **Charles AS**, Jacob TM, Ruban A, Premkumar PS, Rabi S. **Virtual microscopy as a teaching-learning tool for histology in a competency-based medical curriculum.** Med J Armed Forces India [Internet]. 2022 Apr 4 [cited 2022 Apr 6]; Available from: <https://www.sciencedirect.com/science/article/pii/S0377123722000181>
- Mathew JK, Daniel P, Shanthi P, Srivatsava S, **Charles AS**, Jacob J, *et al.* **Anatomy in a virtual small-group learning setting: A COVID revelation.** Int J Adv Med Health Res 0;0:0 published on 29.10.2022
- 2023 Abraham RS, Pillai R, Cherian NE, George SP, Oommen AT, **Charles AS (2023) Concept of a Novel Gastrosoleus Interfascial Plane Block and Comparison with the iPACK Block for Posterior Knee Pain Following Knee Replacement Surgeries-A Cadaveric Demonstration and Pilot Study.** J Anesth Clin Res. 14:1112
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Presentations	2016	Oral Presentation Title:" Origin and branching pattern of external carotid artery – a cadaveric study " CARES 2016 hosted by Christian Medical College, Ludhiana Won Third Place in the Institution
	2018	Oral Presentation Title:" Anatomical basis of neurological pathology originating in the Ascending Pharyngeal Artery. " Annual Research Day 2018 hosted by Christian Medical College, Vellore
	2019	Oral Presentation Title:" Fibrous connections of the dorsal spinal duramater – A pilot study " Annual Research Day 2019 hosted by Christian Medical College, Vellore
	2019	Oral Presentation Title:" Fibrous connections of the dorsal spinal duramater – A pilot study " NATCON67 Hosted by Anatomical Society of India, Delhi
	2022	Poster Presentation Title:" Comparison of deplastinated and formalin-fixed specimens using special staining techniques " Annual Research Day 2022 hosted by Christian Medical College, Vellore Won Second place in Basic Sciences category
	2023	Oral Presentation Title:" Exposing first-year medical students to emergency sonography during anatomy training " Annual Research Day 2023 hosted by Christian Medical College, Vellore Won First place in Medical Education category

Professional training	Jan 2018	Rheumatology Workshop on Ultrasonography Conducted by Department of Rheumatology, Christian Medical College, Vellore
	Jun 2019	Research Ethics Workshop Conducted by Research Office, Christian Medical College, Vellore This workshop is designed to sensitize the participant on the steps on designing a research project, the ethics related to it, how to apply for patent etc.
	Jun 2020	Curriculum Implementation Support Program Part II, Conducted by National Medical Commission, at Nodal Centre at Christian Medical College, Vellore
	Feb 2021	Basic Course in Medical Education Technology Conducted by National Medical Commission, at Nodal Centre at MEU, Christian Medical College, Vellore Deals with basic concepts in teaching UG students, about the concepts of adult learner and life-long learner
	Oct 2021	Basic Course in Biomedical Research Certificate Course Conducted by ICMR - National Institute of Epidemiology

Jul 2021 & Aug 2022 Workshop on **Setting of Multiple-Choice Questions Parts I & II** Conducted by **Medical Education Unit, Christian Medical College, Vellore**

Non-academic professional responsibilities

2019-present **Faculty Coordinator for Exchange Program**
Principal's Office, Christian Medical College, Vellore

2021- present **Warden, Men's Hostel for medical students**
Principal's Office, Christian Medical College, Vellore

2021- 2023 **Coordinator for Practical Exam, AHS Selection Interviews**
Registrar's Office, Christian Medical College, Vellore

Professional service

2018-Present **Peer-Reviewed Articles for:**
CHRISMED Journal of Health and Research
Journal of Clinical and Diagnostic Research

2018 **Reviewer**
Cunningham's Manual for Practical Anatomy Vol I&II Edition 16

2018 **Resource person**
Special Staining Workshop
Department of Anatomy, CMC, Vellore

2019 **Speaker and Demonstrator**
Cadaveric/Surgical Skills Workshop
Topic "Anatomy: Pelvis and Retroperitoneal Spaces, AGOICON 2019 hosted by Christian Medical College, Vellore

2020 **Resource person**
Cadaveric Workshop
Department of ENT, CMC, Vellore

2020 **Covid Command Centre Volunteer Duty during COVID19**

Languages

English Proficient
Malayalam Proficient
Tamil Novice speaker and listener, Beginner reading and writing
Hindi Novice

Computer skills

Microsoft Office 365 Skilled in preparation of documents, charts, presentations, video editing in PowerPoint

Moodle Knows how to prepare a course, uploading and managing content, creating, and managing tests and quizzes.

Adobe Photoshop and Lightroom Good photo editing skills, thanks to my passion in photography

Hobbies and Skills

Adobe PremierPro	Good video editing skills. Developed during COVID pandemic to prepare dissection videos to teach students. Edited videos for the whole department and various other departments
Blender	Beginner
Photography	Skilled in photography using DSLR. Familiar with various types of photography and lighting equipment.
Computer hardware	Good knowledge of computer hardware and assembling. Have assembled or modified more than a dozen computers in my department for my colleagues as a hobby.